

SEQUENCE LISTING

<110> TOYO SUISAN KAISHA, LTD.

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YOSHIDA, Tsutomu

YAMAZAKI, Takayuki

SUGAWARA, Fumio

HATTA, Kiyoshige

SHIMOJOE, Manabu

MASAKI, Kazuyoshi

<120> NOVEL PEPTIDES, DERIVATIVES THEREOF, PROCESS FOR
PRODUCING THE SAME, NOVEL STRAIN PRODUCING THE SAME,
AND ANTIVIRAL AGENT COMPRISING THE SAME AS ACTIVE
INGREDIENT

<130> 01S1531P

<140> PCT/JP02/01039

<141> 2002-02-07

<150> JP2001-032729

<151> 2001-02-08

<160> 6

<170> PatentIn Ver. 2.0

<210> 1

<211> 14

<212> PRT

<213> Pseudomonas sp.

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Leu Glu Gln Val Leu Gln Ser Val Leu Leu Gln Leu Gln Ile

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<220>

<221> SITE

<222> (7) and (14)

<223> The hydroxy group of Ser at (7) and the carboxylic group of Ile at (14) esterified to make a cyclic structure

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<221> SITE

<222> (1)

<223> a 3-hydroxy decanoyl group is bonded to the amino group of Leu (1)

<210> 2

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Leu Glu Gln Val Leu Gln Ser Val Leu Leu Gln Leu Gln Ile

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<221> MUTAGEN

<222> (3), (6), (11), (13)

<223> Each of the Gln's at (3), (6), (11), (13) is modified to Dbu, which is 2,4-diaminobutyric acid

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<221> SITE

<222> (7) and (14)

<223> The hydroxy group of Ser at (7) and the carboxylic group of Ile at (14) esterified to make a cyclic structure

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<222> (1)

<223> a 3-hydroxy decanoyl group is bonded to the amino group of Leu (1)

<210> 3

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Leu Glu Gln Val Leu Gln Ser Val Leu Leu Gln Leu Gln Ile

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<222> (3), (6), (11), (13)

<223> Each of the Gln's at (3), (6), (11), (13) is modified to Dbu, which is 2,4-diaminobutyric acid

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Leu Glu Gln Val Leu Gln Ser Val Val Leu Gln Leu Gln Leu

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<222> (7) and (14)

<223> The hydroxy group of Ser at (7) and the carboxylic group of Leu at (14) esterified to make a cyclic structure

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Leu Glu Gln Val Leu Gln Ser Val Leu Leu Gln Leu Gln Ile

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<222> (7) and (14)

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<223> The hydroxy group of Ser at (7) and the carboxylic group of Ile at (14) esterified to make a cyclic structure

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<223> 3-hydroxy decanoyl group is bonded to the amino group of Leu (1)